

OFFICIAL

RCE TRANSMITTAL LETTER(Large Entity) Applicant(s): Wei Pan, Jer-Shen Maa, David Russell Evans, and Sheng Teng Hsu			Docket No. SLA0493												
Serial No 09/820,068	Filing Date March 28, 2001	Examiner Luhrs, M.	Group Art Unit 2824												
Invention: Method of Barrier Metal Surface Treatment Prior to Cu Deposition to Improve Adhesion and Trench Filling Characteristics															
RECEIVED TO THE COMMISSIONER FOR PATENTS: CENTRAL FAX CENTER Transmitted herewith is an amendment in the above identified application. The fee has been calculated and is transmitted as shown below. <div style="float: right; text-align: right;"> APR 19 2004 </div>															
CLAIMS AS AMENDED															
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER OF EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE										
TOTAL CLAIMS	13 -	20 =	0	x \$18.00	\$0.00										
INDEP. CLAIMS	3 -	3 =	0	x \$84.00	\$0.00										
Multiple Dependent Claims (check if applicable) _____					\$0.00										
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00										
<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p><input checked="" type="checkbox"/> Please charge Deposit Account No. 19-1457 in the amount of \$750.00, which consists of the fee of \$750.00 specified in 37 CFR 1.17(e), plus any fee required by 37 CFR 1.111, as calculated above. A duplicate copy of this sheet is enclosed.</p> <p>_____ A check in the amount of _____ to cover the filing fee is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 19-1457. A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> Any additional fees required under 37 C.F.R. 1.16.</p> <p><input checked="" type="checkbox"/> Any patent application processing fees under 37 C.F.R. 1.17.</p> </div> <div style="width: 15%; text-align: right;"> <p>Dated: <u>April 19, 2004</u></p> </div> </div> <div style="margin-top: 10px;"> <p> Matthew D. Radau, Reg. No. 43,026</p> </div>															
<p>I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office under 37 C.F.R. §1.8 at Fax No. (703) 872-9306 on April 19, 2004.</p> <div style="text-align: right; margin-top: 10px;"> <p> Matthew D. Radau, Reg. No. 43,026</p> </div>															
<p>Note: Each paper must have its own certificate or transmission, or this certificate must identify each submitted paper. The papers submitted include:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;"><input checked="" type="checkbox"/> This Request for Continued Examination Transmittal (Include Duplicate)</td> <td style="text-align: right;">2 page(s)</td> </tr> <tr> <td><input checked="" type="checkbox"/> RCE under 37 CFR § 1.114</td> <td style="text-align: right;">11 page(s)</td> </tr> <tr> <td>_____ Attachments</td> <td style="text-align: right;">0 page(s)</td> </tr> <tr> <td>_____</td> <td style="text-align: right;">0 pages</td> </tr> <tr> <td><input checked="" type="checkbox"/> Petition for Extension of Time under 37 C.F.R. § 1.136 (Include Duplicate)</td> <td style="text-align: right;">2 pages</td> </tr> </table> <p style="text-align: right; margin-top: 10px;">Total pages, including this Transmittal: 15</p>						<input checked="" type="checkbox"/> This Request for Continued Examination Transmittal (Include Duplicate)	2 page(s)	<input checked="" type="checkbox"/> RCE under 37 CFR § 1.114	11 page(s)	_____ Attachments	0 page(s)	_____	0 pages	<input checked="" type="checkbox"/> Petition for Extension of Time under 37 C.F.R. § 1.136 (Include Duplicate)	2 pages
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APR 19 2004
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Appl. No. 09/820,068
Response dated April 19, 2004
Reply to Office Action of 12/19/2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Inventors: Wei Pan, Jer-Shen Maa, David
Russell Evans, and Sheng Teng Hsu

Serial No: 09/820,068

Filed: March 28, 2001

Title: METHOD OF BARRIER METAL
SURFACE TREATMENT PRIOR
TO CU DEPOSITION TO
IMPROVE ADHESION AND
TRENCH FILLING
CHARACTERISTICS

PATENT
APPLICATION

Attorney Docket No.
SLA0493

Group No. 2824

Examiner:
Luhrs, M.

April 19, 2004

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CONTINUED EXAMINATION UNDER 37 C.F.R. § 1.114

Sir:

This communication responds to an Office Action dated
December 19, 2003 in the above identified patent application. Please make
amendments, if any, in the above-identified application as follows:

Amendments to the Claims, if any, are reflected in the listing of claims
beginning on page 2 of this paper.

Remarks begin on page 6 of this paper.